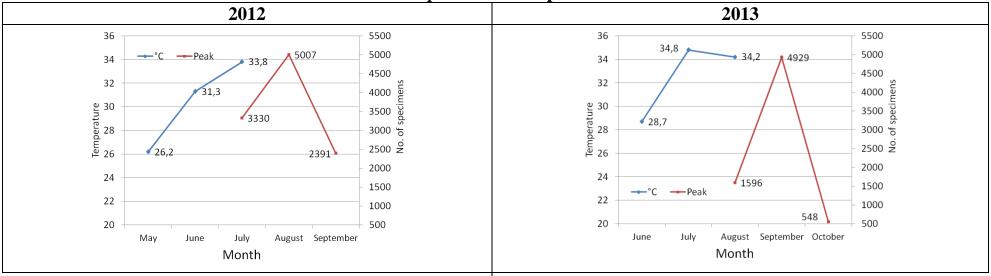
S11 Table. Comparison of temperatures and vector abundances recorded in each site between different years. Examples are given of the interdependency between i) average monthly temperatures registered at the beginning of the sand fly activity and magnitude of peaks; and ii) average summer temperatures and total vector abundance (see Notes).

## Notes

- i) Average monthly temperatures (°C) were put in correlation with the number of vector specimens collected during a main peak, consisting in a curve described by 3 values. Monthly average temperatures preceding and concomitant with the peak occurrence were considered.
- ii) Average temperature of the period from May through October was put in correlation with total vector specimens collected in the season.

P. perniciosus - Algarve, Portugal 2011 2013 500 34 34 500 → °C — Peak 33,1 450 450 → °C — Peak 32 32 **31,4** 400 400 30 30 350 350 29.2 Temperature 95 85 Temperature 92 82 300 specir 300 specir 28,3 26.8 200 g 200 g 25,2 **√** 162 150 150 24 24 123 100 100 22 22 50 50 20 20 June July September October June July August September October Month Month Average summer temperature: 26.7; Total specimens: 844 Average summer temperature: 28.2; Total specimens: 354

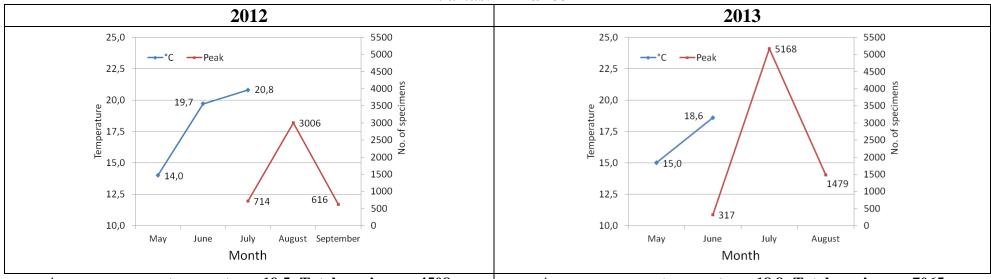
P. perniciosus – Spain



Average summer temperature: 29.0; Total specimens: 14101

Average summer temperature: 28.3; Total specimens: 9022

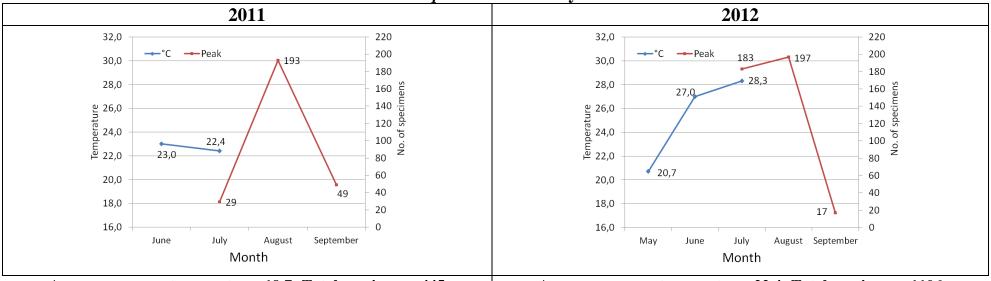
P. ariasi – France



Average summer temperature: 19.5; Total specimens: 4508

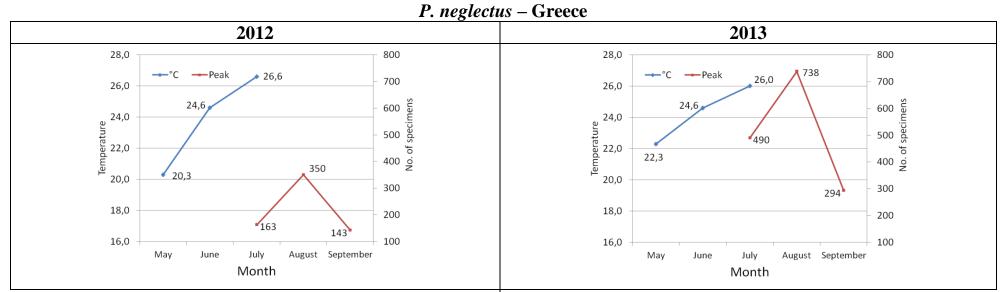
Average summer temperature: 18.8; Total specimens: 7065

P. perniciosus – Italy



Average summer temperature: 19.7; Total specimens: 445

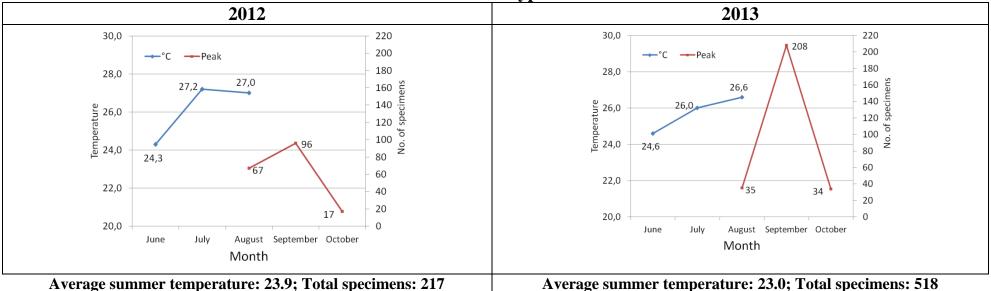
Average summer temperature: 22.4; Total specimens: 1106



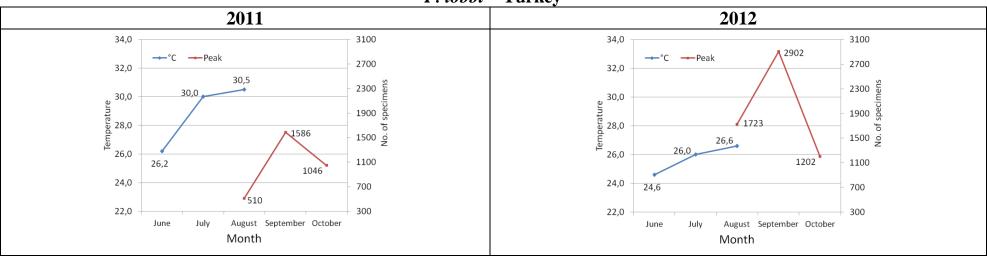
Average summer temperature: 23.1; Total specimens: 898

Average summer temperature: 22.4; Total specimens: 2184

P. tobbi – Cyprus



P. tobbi – Turkey



Average summer temperature: 26.9; Total specimens: 4049

Average summer temperature: 27.2; Total specimens: 6871